

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: Source

Supplier's address: SGD Limited, Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath. A84 YP58. Ireland.

Model identifier: SPAN CCT

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	N/A		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

Parameter	Value	Parameter	Value
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General product parameters:

Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	36	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 600 in Wide cone (90°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	3 000 or 4 000 or 5 700
On-mode power (P_{on}), expressed in W	36,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	-
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80
Outer dimensions	Height	Spectral power distribution in the	See image in last page
	Width		

without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	30	range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,432 0,400
Parameters for directional light sources:				
Peak luminous intensity (cd)		1 925	Beam angle in degrees, or the range of beam angles that can be set	169
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,90
the lumen maintenance factor		0,96		

(a) : not applicable;

(b) : not applicable;

1. Read all instructions.
2. Professional people maintenance.
3. Always make sure that the power is turned off and the LED lamps have cooled down before disassembling, cleaning and adjusting the LED lamps.
4. Do not disassemble LED lamps near the heat source.
5. Turn on the LED lamp, confirm the voltage and current do not exceed the rated nominal value.

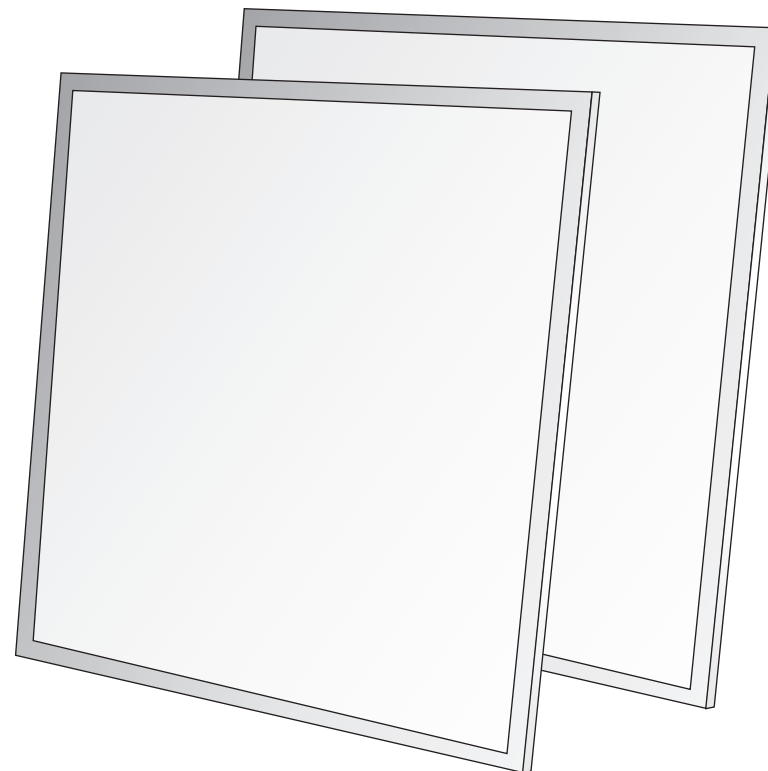
1. Before disassembling, please make sure that the LED lamp is disconnected from the power supply.
2. To ensure that the LED is not damaged, please wear an effective static ring.
3. There is high temperature work during the disassembly process, please wear goggles, masks and protective gloves.



Website: www.sgd.ie



LED BACKLIT PANEL LIGHT USER GUIDE



SPAN-4K / SPAN-CCT / SPAN-ST-4K / SPAN-ST-CCT

Safety Instruction:

Basic safety precautions should always be followed when installing, including the following:

1. Read instructions carefully before installing.
2. This LED Panel requires professional installation and maintenance by a qualified Electrician.
3. The power supply of the LED Panel should be powered by a dedicated external LED driver (supplied).
4. Disconnect the power supply before installing or maintenance.
5. Make sure the wires have been properly connected before powering on the device.
6. Ensure the product has enough space for heat dissipation.
7. Ensure the luminaries are never covered by any heat insulation mat or slim layer material at any time.
8. SPAN-CCT is supplied with a colour temperature selector switch.
9. IP40 for indoor use only, not for damp location; IP54 for indoor damp location.
10. Ambient Temperature: -10°C to +45°C, Avoid direct sunlight.
11. Storage Conditions: Cool & dry conditions.

Installation Procedure

WARNING:

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.



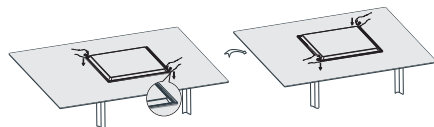
CAUTION:

Make sure that the mounting surface or structural member used for installation can support the weight of LED Panel.

Lamp inspection before installation:

Take out the lamp from the box and put it in a flat table, if the lamp upwarps, please adjust the lamp with below steps before installation:

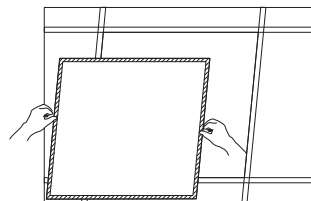
1. Press the opposite angles at the same time;
2. Press another two opposite angles at the same time, make sure the four angles are flat, then start the installation.



Change the colour temperature by DIP switch
WW: 3000K NW: 4000K CW: 5700K



Recessed

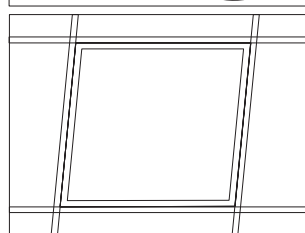
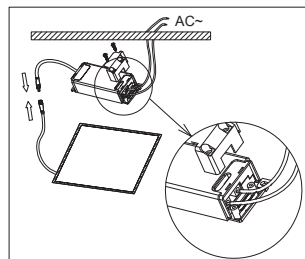


① Remove the ceiling plaster slab.

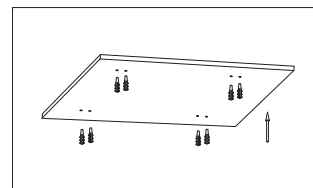
② Feed the main AC wire in driver terminal block respectively, connect the panel light and driver.

③ Fix the panel light into plaster ceiling.

④ Make sure the led panel light is firmly fixed, turn on the power.



Suspended

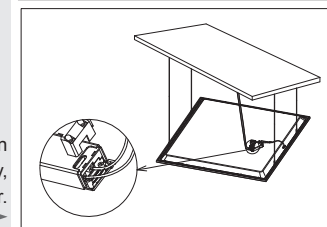
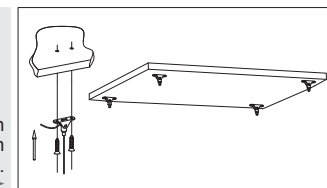
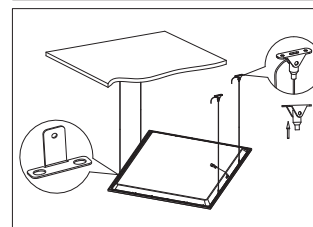


① Fix the supporting anchor into target place on the ceiling.

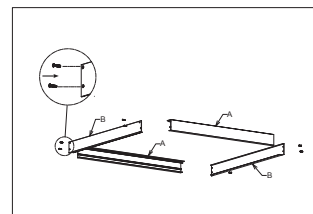
② Fix the installation mount on the ceiling with metal anchor.

③ Hang the panel to ceiling with suspended installation kits, adjust the length of steel wires.

④ Feed the main AC wire in driver terminal block respectively, turn on the power.



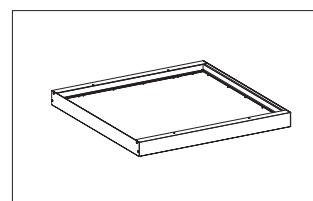
Surface mounted



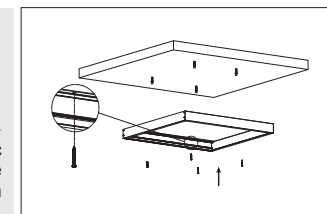
① Assemble the surface mounted frame and fix with screws.

② knock the plastic anchor into ceiling, fix the surface mounted frame on the ceiling by screws.

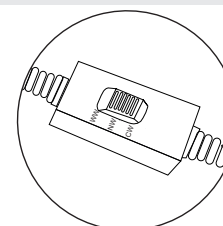
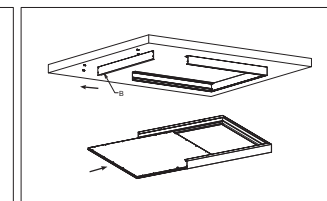
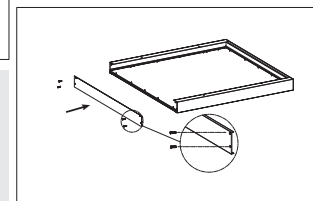
④ Fix the side frame back with screw.



⑤ Make sure the frame and panel light are firmly fixed, turn on the power.



③ Unscrew the side frame then take out, connect the panel light to power supply, insert the panel light into the frame.



Colour temperature switch selector for SPAN-CCT Model.

Note:

1. The Light Source is not replaceable
2. The Driver should be replaced by a qualified Electrician

Warning:

Input wire diameter $\geq 0.75\text{mm}^2$;
Product modification and improper installation are not valid for warranty!

Spectrum Test Report

Sample
Specification : SPAN CCT @ (3000K)
Sample No. : 1
Manufacturer : SGD LIMITED

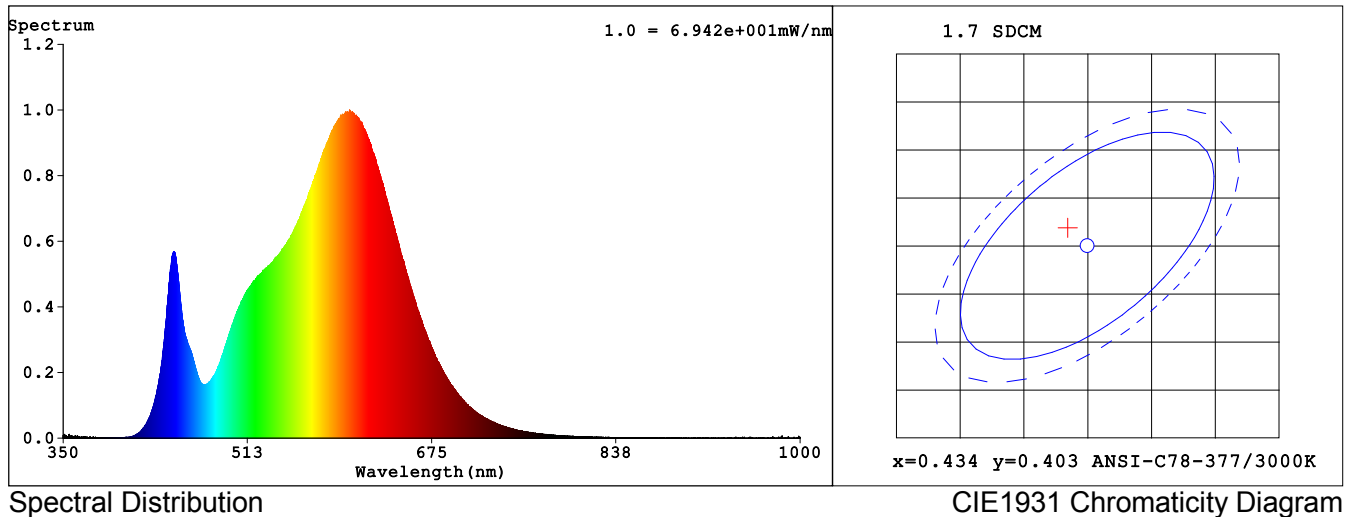
Date : 2021-07-09 09:07:07
Sam. Status :
Instrument : HAAS - 2000
Test by : SGD LIMITED

Test Condition

Temperature : Deg
WL Range : 350nm-1000nm
Test Mode : Fast Test

RH : %
IP : 48947 (75%)
T : 376 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4323$ $y = 0.4049$ / $u' = 0.2472$ $v' = 0.5210$ ($duv=9.93e-04$)

CCT= 3087K Prcp WL: $L_d=582.1\text{nm}$ Purity=51.3%

Peak WL: $L_p=603\text{nm}$ FWHM: $=129.6\text{nm}$ Ratio: R=22.2% G=75.2% B=2.5%

Render Index: $R_a = 82.2$

R1 =80 R2 =90 R3 =97 R4 =81 R5 =81 R6 =88 R7 =83
R8 =58 R9 =1 R10=77 R11=81 R12=72 R13=82 R14=99 R15=72
LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 3410.1 lm Eff. : 91.78 lm/W $F_e = 10.151\text{ W}$

Electrical parameters

V = 230.1 V I = 0.1677 A P = 37.15 W PF = 0.9627 F=49.99 Hz

Spectrum Test Report

Sample
Specification : SPAN CCT @ (4000K)
Sample No. : 2
Manufacturer : SGD LIMITED

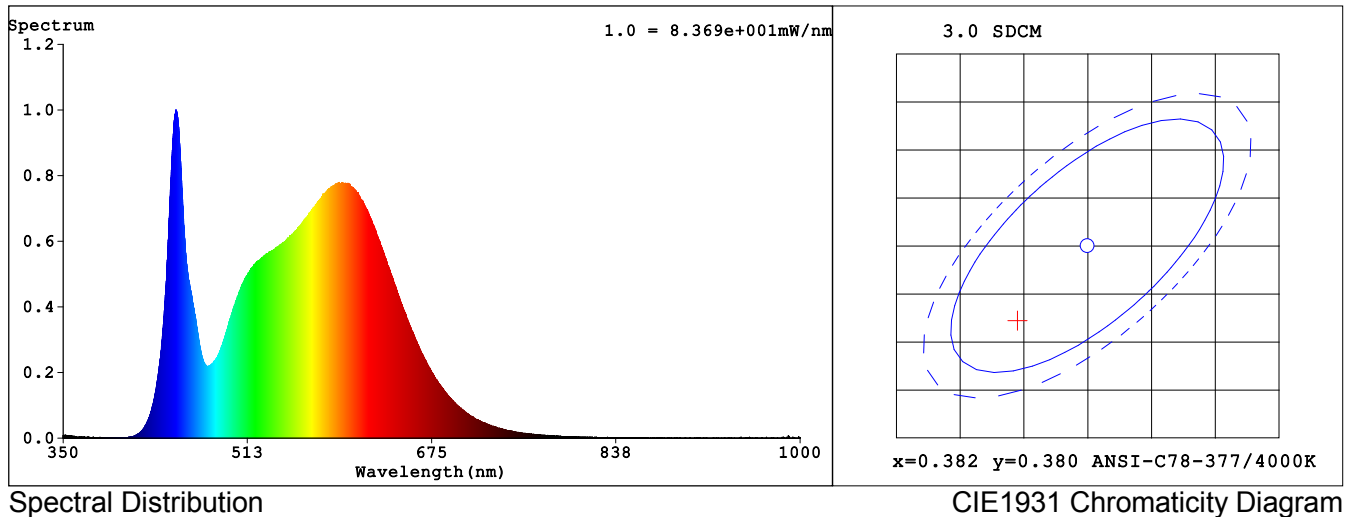
Date : 2021-07-09 09:07:27
Sam. Status :
Instrument : HAAS - 2000
Test by : SGD LIMITED

Test Condition

Temperature : Deg
WL Range : 350nm-1000nm
Test Mode : Fast Test

RH : %
IP : 47227 (72%)
T : 376 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3763$ $y = 0.3719$ / $u' = 0.2243$ $v' = 0.4988$ ($duv = -1.07e-03$)

CCT= 4080K Prcp WL: $L_d = 579.4\text{nm}$ Purity=24.5%

Peak WL: $L_p = 450\text{nm}$ FWHM: $= 18.8\text{nm}$ Ratio: R=18.4% G=77.9% B=3.7%

Render Index: $R_a = 84.5$

R1 =83 R2 =90 R3 =95 R4 =84 R5 =84 R6 =86 R7 =86
R8 =67 R9 =14 R10=77 R11=84 R12=64 R13=85 R14=97 R15=77
LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 3755.9 lm Eff. : 107.27 lm/W Fe = 11.487 W

Electrical parameters

V = 230.1 V I = 0.1591 A P = 35.02 W PF = 0.9566 F=49.99 Hz

Spectrum Test Report

Sample
Specification : SPAN CCT @ (5700K)
Sample No. : 3
Manufacturer : SGD LIMITED

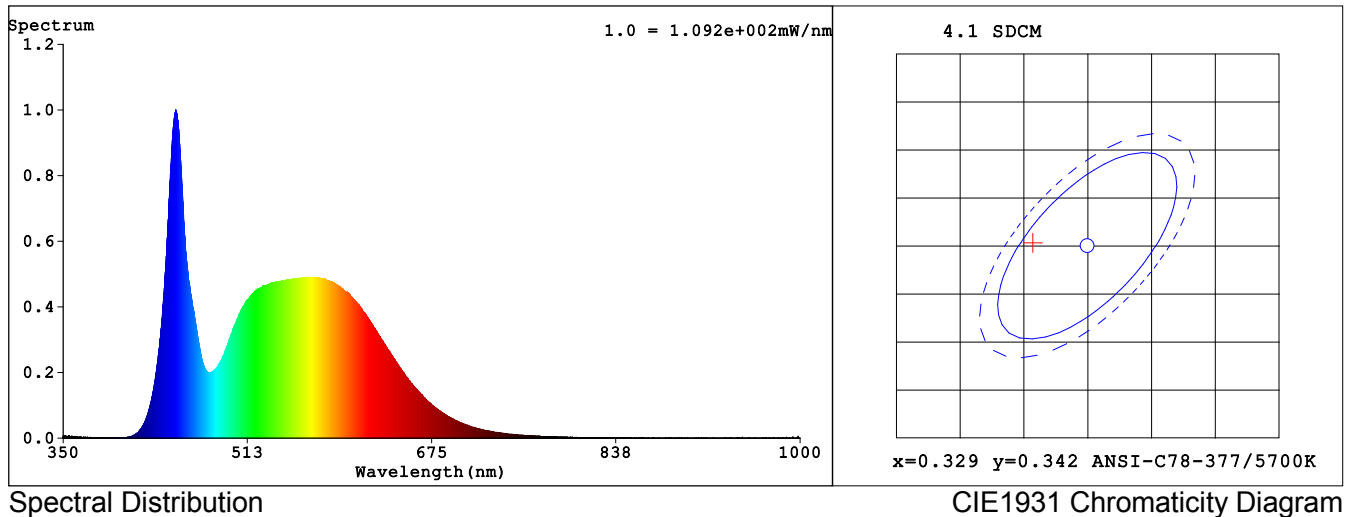
Date : 2021-07-09 09:07:49
Sam. Status :
Instrument : HAAS - 2000
Test by : SGD LIMITED

Test Condition

Temperature : Deg
WL Range : 350nm-1000nm
Test Mode : Fast Test

RH : %
IP : 56719 (87%)
T : 376 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3244$ $y = 0.3420$ / $u' = 0.2010$ $v' = 0.4768$ ($duv=4.14e-03$)

CCT= 5861K Prcp WL: $L_d=504.9nm$ Purity=2.7%

Peak WL: $L_p=449nm$ FWHM: $=20.2nm$ Ratio: R=14.0% G=81.1% B=4.8%

Render Index: $R_a = 81.9$

$R_1 = 80$ $R_2 = 86$ $R_3 = 90$ $R_4 = 83$ $R_5 = 81$ $R_6 = 81$ $R_7 = 87$
 $R_8 = 68$ $R_9 = 3$ $R_{10} = 66$ $R_{11} = 82$ $R_{12} = 59$ $R_{13} = 81$ $R_{14} = 94$ $R_{15} = 75$
LEVEL:OUT WHITE:ANSI_5700K

Photometric & Radiometric Parameters

Flux = 3478.0 lm Eff. : 92.65 lm/W $F_e = 10.939 W$

Electrical parameters

$V = 230.1 V$ $I = 0.1693 A$ $P = 37.54 W$ PF = 0.9638 F=49.99 Hz



EU DECLARATION OF CONFORMITY

Manufacturers Name: Solas Geal Distribution

Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath, A84 YP58.

Declaration Number:

042-SPAN-4K, 042-SPAN-CCT

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Products:

600X600 36Watt LED Backlit Panel UGR19 (4000k & CCT)

Model Number:

SPAN-4K, SPAN-CCT

The product/model of the declaration described above is in conformity with the relevant
Community harmonisation legislation:

Low Voltage Directive (2014/35/EU)

EMC (2014/30/EU)

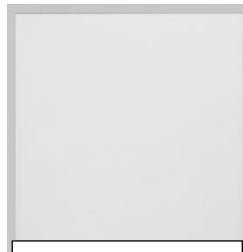
RoHS (2011/65/EU) and it's amendment directive 2015/863/EU

The product/model of the declaration described above is in conformity with the standards
and technical specifications listed below:

EN55015:2013+A1, EN61000-3-2:2014, EN61000-3-3:2013, EN61547:2009
IEC 62321-3-1:2013, IEC 62321-5:2013, IEC62321-4:2013+AMD1:2017, IEC 62321-6:2015,
IEC 62321-7-2:2017, IEC 62321-8:2017



SPAN-4K



SPAN-CCT

Signed:

Date:

Place of Issue: Republic of Ireland

